

CLAIM SUMMARY DOCUMENT

1. (Original) A developer for a photopolymerizable presensitized plate for use in making a lithographic printing plate characterized in that it comprises an alkali silicate and a nonionic compound represented by the following general formula (I), it has a molar ratio: $\text{SiO}_2/\text{M}_2\text{O}$ (wherein M represents an alkali metal or an ammonium group) ranging from 0.75 to 4.0, and a pH value ranging from 11.5 to 12.8:

A-W (I)

wherein A represents a hydrophobic organic group whose logP as determined for A-H is not less than 1.5 and W represents a nonionic hydrophilic organic group whose logP as determined for W-H is less than 1.0.

2. (Original) The developer for a photopolymerizable presensitized plate for use in making a lithographic printing plate of claim 1, wherein the alkali silicate is selected from the group consisting of sodium silicate, potassium silicate, lithium silicate and ammonium silicate.

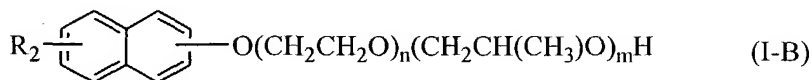
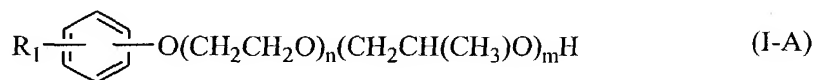
3. (Original) The developer for a photopolymerizable presensitized plate for use in making a lithographic printing plate of claim 1, wherein the molar ratio: $\text{SiO}_2/\text{M}_2\text{O}$ ranges from 1.0 to 3.0.

4. (Original) The developer for a photopolymerizable presensitized plate for use in making a lithographic printing plate of claim 1, wherein the content of the alkali silicate

ranges from 0.1 to 3% by weight as expressed in terms of the amount of silicon dioxide (SiO₂).

5. (Original) The developer for a photopolymerizable presensitized plate for use in making a lithographic printing plate of claim 1, wherein the content of the nonionic compound ranges from 0.1 to 15% by weight.

6. (Original) The developer for a photopolymerizable presensitized plate for use in making a lithographic printing plate of claim 1, wherein the nonionic compound is at least one member selected from the group consisting of nonionic aromatic ether type surfactants represented by the following general formula (I-A) and nonionic aromatic ether type surfactants represented by the following general formula (I-B):



wherein R₁ and R₂ each represents H or an alkyl group having 1 to 100 carbon atoms and n and m each represents an integer ranging from 0 to 100, provided that n and m are not simultaneously zero.

7. (Original) The developer for a photopolymerizable presensitized plate for use in making a lithographic printing plate of claim 1, wherein it comprises carbonic acid or a carbonate.

8. (Original) The developer for a photopolymerizable presensitized plate for use in making a lithographic printing plate of claim 1, wherein it comprises an alkaline agent selected from the group consisting of sodium hydroxide, potassium hydroxide, lithium hydroxide, sodium tertiary phosphate, potassium tertiary phosphate, ammonium tertiary phosphate, sodium secondary phosphate, potassium secondary phosphate, ammonium secondary phosphate, sodium carbonate, potassium carbonate, ammonium carbonate, sodium bicarbonate, potassium bicarbonate, ammonium bicarbonate, sodium borate, potassium borate and ammonium borate, potassium citrate, sodium citrate, monomethylamine, dimethylamine, trimethylamine, monoethylamine, diethylamine, triethylamine, monoisopropylamine, diisopropylamine, triisopropylamine, n-butylamine, monoethanolamine, diethanolamine, triethanolamine, monoisopropanolamine, diisopropanolamine, ethyleneimine, ethylenediamine, pyridine, tetramethylammonium hydroxide and mixture thereof.

9. (Original) The developer for a photopolymerizable presensitized plate for use in making a lithographic printing plate of claim 1, wherein it comprises a chelating agent for divalent metals.

10. (Original) The developer for a photopolymerizable presensitized plate for use in making a lithographic printing plate of claim 1, which has a conductivity ranging from 3 to 30 mS/cm.

Claims 11.-26. (Canceled)